Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/26/2020 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125731	0	4.29	125657	4.29
Blue	F	SSC	125000	126058	0	1.55	126866	1.54
Blue	E	FITC	15892	15610	-2	2.97	340	21.71
Blue	D	PE	29999	29305	-3	2.06	639	15.55
Blue	B	PerCP-Cy5-5	43732	43840	0	3.95	1172	22.18
Blue	A	PE-Cy7	30845	31058	0	6.67	589	45.59
Red	C	APC	46112	45152	-3	2.43	1592	12.57
Red	A	APC-Cy7	30458	29675	-3	2.34	787	12.15
Violet	B	V450	7918	7435	-7	4.31	421	13.80
Violet	A	V500	32171	30757	-5	4.05	720	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17052	26.80	660	39	N/A	N/A	Pass
Blue	F	SSC	57501	1.12	591	32	N/A	N/A	Pass
Blue	E	FITC	62	67.39	558	15	0.0166	130	Pass
Blue	D	PE	134	52.05	564	16	0.1425	260	Pass
Blue	B	PerCP-Cy5-5	216	54.62	674	18	0.0076	70	Pass
Blue	A	PE-Cy7	108	117.05	721	23	0.0089	26	Pass
Red	C	APC	378	26.19	593	9	0.0223	129	Pass
Red	A	APC-Cy7	173	29.65	565	9	0.0054	1157	Pass
Violet	B	V450	65	61.58	461	3	0.0435	1929	Pass
Violet	A	V500	107	38.80	478	4	0.0220	1413	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.12	-31.88	1.01
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	14.19	13.60 - 20.40	N/A	N/A	29.47	29.75	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9823

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments